

# IEEE *Xplore*<sup>®</sup> Digital Library – How to search effectively?



# Basic Search Bar



The screenshot shows the IEEE Basic Search Bar interface. At the top, there is a navigation bar with five items: 'BROWSE' (highlighted in orange), 'MY SETTINGS', 'FILE CABINET', 'GET HELP', and 'WHAT CAN I ACCESS?'. Below this, a large blue banner displays 'Search 3.613.289 items'. Under the banner is a search input field with the placeholder text 'Enter Search Term' and an orange 'Search' button with a magnifying glass icon. Below the input field are four buttons: 'Basic Search' (highlighted), 'Author Search', 'Publication Search', and 'Advanced Search'. To the right of these buttons is a link for 'Other Search Options' with a dropdown arrow.

- ANDs search terms
- Use quotes (“”) for an exact phrase
- Searching **metadata only**
- Automatic stemming
- Case insensitive
- Type-ahead (aka auto suggest) functionality

# Type ahead from Basic Search

The screenshot displays the IEEE Basic Search interface. At the top, a navigation bar includes links for BROWSE, MY SETTINGS, FILE CABINET, GET HELP, and WHAT CAN I ACCESS?. Below this, a search bar contains the text "cloud", and a button labeled "Search" is positioned to its right. The search results area shows "Search 3.613.289 items". A dropdown menu lists suggestions for the search term "cloud":

- Cloud Computing
- Clouds
- Cloud
- Cloud Services
- Cloud Storage
- Cloud Environment
- Cloud Computing Environment
- Cloud Computing And Intelligent Systems (CCIS), 2012 IEEE 2nd International Conference On
- Cloud Service
- Cloud Security
- Cloud Infrastructure
- Cloud Model
- Cloud Providers

On the right side of the interface, there is a section titled "More on" followed by the text "other researchers," and a link to "» Google+".

# Search Results and refinements

Search results:

Search

All results

My Subscribed Content

Open Access

File Cabinet

CONTENT TYPE

Conference Publications (16,992)

Journals & Magazines (1,530)

Early Access Articles (209)

Books & eBooks (40)

Education & Learning (3)

Standards (1)

PUBLICATION YEAR

Single Year

Range

SEARCH RESULTS

You searched for: "cloud computing"

18.775 Results returned

Results per page 25

Sort by: Relevance

Relevance

Newest First

Oldest First

Most Cited [By Papers]

Most Cited [By Patents]

Publication Title A - Z

Publication Title Z - A

Set Search Alert

Download Citations

Save to Project

Email Results

« First | 1 2 3 »

Realization of open cloud computing federation based on mobile agent

Zehua Zhang ; Xuejie Zhang

Intelligent Computing and Intelligent Systems, 2009. ICIS 2009. IEEE International Conference on

Volume: 3

DOI: 10.1109/ICICISYS.2009.5358085

Publication Year: 2009 , Page(s): 642 - 646

Cited by: Papers (12)

IEEE CONFERENCE PUBLICATIONS

Quick Abstract | PDF (151 KB) | HTML

# Save Search

**FILTER THESE RESULTS**

Search within results:

☒ All Results  
☐ My Subscribed Content  
☐ Open Access Only

**CONTENT TYPE**  
☐ Conference Publications (3,922)  
☐ Journals & Magazines (3,075)  
☐ Early Access Articles (3)

**PUBLICATION YEAR**  
☐ Single Year ☒ Range  
1931 2013  
From:   
To:

**SEARCH RESULTS**

You searched for: (((**"Author Affiliations":boeing**) OR **"Author Affiliations":raytheon**) OR **"Author Affiliations":lockheed**)

Results per page

Select All on Page | Deselect All

Set Search Alert Download Citations

**A network-cent  
airspace securi**  
Stamm, R.J. ; Mc  
Aerospace Confe  
Digital Object Ide  
Publication Year:  
Cited by 1  
**IEEE CONFEREN**

Ciany, C.M. ; Zurawski, W.C. ; Dobeck, G.J. ;  
Weilert, D.R.  
OCEANS 2003. Proceedings  
Volume: 2

**SEARCH HISTORY**

...y is  
g your

**TERMS**  
ards

**SAVED SEARCH**

Address shown is from information saved in your preferences.

Saved Search Name \*:

Query: You searched for: (((**"Author Affiliations":boeing**) OR **"Author Affiliations":raytheon**) OR **"Author Affiliations":lockheed**)

Email Address: saws824@yahoo.com

**SET ALERT** ☒

You will receive email alerts whenever new content that matches your saved search is added to IEEE Xplore. If you don't wish to receive such email alerts, please uncheck this box.

# Abstract Plus

In Fig. 10, we know that if  $\mathcal{C}$  should have issued a query  $X_B = \hat{e}(g^\gamma, sk_B)$  to the random oracle  $H_2$ , where  $sk_B = ((g^\beta)^{\rho_B})^\alpha$ , then

$$X_B^{(\rho_B)^{-1}} = \hat{e}(g^\gamma, ((g^\beta)^{\rho_B})^\alpha)^{(\rho_B)^{-1}} = \hat{e}(g, g)^{\alpha\beta\gamma}.$$

▼ TeX Source

```


$$X_{\{B\}}^{\{(\rho_{\{B\}})^{-1}\}} = \mathop{\mathrm{e}}\nolimits(g^{\{\gamma\}},$$


$$((g^{\{\beta\}})^{\{\rho_{\{B\}}\}})^{\{\alpha\}})^{\{(\rho_{\{B\}})^{-1}\}} = \mathop{\mathrm{e}}\nolimits(g)^{\{\alpha\} \{\beta\} \{\gamma\}}.$$


```

It is the answer of the BDH instance  $\langle g, g^\alpha, g^\beta, g^\gamma \rangle$ .

In order to determine the advantage in (1), we use the technique in [5]. Suppose the adversary  $\mathcal{C}$  has advantage  $\epsilon_{\mathcal{C}}(k)$ . Then the adversary against the BDH problem has following advantage:

$$\epsilon_{\text{BDH}}(k) = \frac{\epsilon_{\mathcal{C}}(k)}{e(q_p + q_v + 1)},$$

Save Project ▼ TeX Source

```


$$\epsilon_{\text{BDH}}(k) = \frac{\epsilon_{\mathcal{C}}(k)}{e(q_p + q_v + 1)},$$


```

# References & Citing Documents

4

Author(s)

Hyejin Son ; Sch. of Electr. Eng., Korea Univ., Seoul, South Korea ; Tae Yoon Kang ; Hwangnam Kim ; Jae Hyung Roh

Abstract

Authors

References

Cited By

Keywords

Metrics

Similar



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Print



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Save to Project



0



Like



0



Tweet



0



Share

Showing 1-4 of 4 Results

Cited by IEEE



Citation Map

1. Mokhtari, G.; Zare, F.; Nourbakhsh, G.; Ghosh, A. "A new DER coordination in LV network based on the concept of distributed control", *Power Electronics for Distributed Generation Systems (PEDG), 2012 3rd IEEE International Symposium on*, On page(s): 1 - 8  
[Abstract](#) | Full Text: [PDF](#) (1825KB)
2. Hong Liu; Huansheng Ning; Yan Zhang; Guizani, M. "Battery Status-aware Authentication Scheme for V2G Networks in Smart Grid", *Smart Grid, IEEE Transactions on*, On page(s): 99 - 110 Volume: 4, Issue: 1, March 2013  
[Abstract](#) | Full Text: [PDF](#) (5064KB)
3. Hong Liu; Huansheng Ning; Yan Zhang; Yang, L.T. "Aggregated-Proofs Based Privacy-Preserving Authentication for V2G Networks in the Smart Grid", *Smart Grid, IEEE Transactions on*, On page(s): 1722 - 1733 Volume: 3, Issue: 4, Dec. 2012  
[Abstract](#) | Full Text: [PDF](#) (3894KB)
4. Taeyoon Kang; Hwangnam Kim "Preserving privacy with anonymity for customer collaboration in smart grid", *Communications (APCC), 2012 18th Asia-Pacific Conference on*, On page(s): 724 - 729  
[Abstract](#) | Full Text: [PDF](#) (157KB)

IEEE



# Advanced Search – Affiliation & Fields

## Advanced Search Options

Advanced Keyword/Phrases


Command Search

Publication Quick Search

Preferences

ENTER KEYWORDS OR PHRASES, SELECT FIELDS, AND SELECT OPERATORS


*Note: Refresh page to reflect updated preferences.*

Search : ☒ Metadata Only ☐ Full Text & Metadata 

boeing in Author Affiliations

OR raytheon in Author Affiliations  

OR lockheed in Author Affiliations  

 Add New Line

Reset All

SEARCH

### Content Filter

- ☒ All Results
- ☐ My Subscribed Content
- ☐ Open Access Only

### Publisher

Return Results from

- |  |                                      |
|--|--------------------------------------|
| <input type="checkbox"/> IEEE(2,930,811) | <input type="checkbox"/> IBM(6,135)  |
| <input type="checkbox"/> AIP(270,075)    | <input type="checkbox"/> VDE(4,557)  |
| <input type="checkbox"/> IET(204,108)    | <input type="checkbox"/> BIAI(2,434) |
| <input type="checkbox"/> AVS(36,034)     | <input type="checkbox"/> TUP(2,181)  |

Metadata Only  
Document Title  
Authors  
Publication Title  
Abstract  
Index Terms  
**Author Affiliations**  
Accession Number  
Article Number  
Author Keywords  
DOE Terms  
DOI  
IEEE Terms  
INSPEC Controlled Terms  
INSPEC Non-Controlled Terms  
ISBN  
ISSN  
Issue  
MeSH Terms  
PACS Terms

IEEE



# Command Search

Search 3.613.289 items

Enter Search Term

 Search

Basic Search

Author Search

Publication Search

Advanced Search

Other Search Options 

Command Search

Citation Search

Search Alerts

Search History



## Top Technologies 2015 Pepper the Robot

Interested in learning what the Top Technologies are for 2015? View the list, according to *IEEE Spectrum* and read more about Pepper the humanoid robot in *IEEE Xplore*.

# Command Search

## Advanced Search Options

Advanced Keyword/Phrases

Command Search

Publication Quick Search

Preferences



ENTER KEYWORDS, PHRASES, OR A BOOLEAN EXPRESSION

*Note: Use the drop down lists to generate the correct Operator and Data Field Codes.*

*This wizard will NOT build your expression. View examples of how to write a boolean search string*

**Search :** ☒ Metadata Only ☐ Full Text & Metadata [Learn more about metadata](#)

Data Fields

Operators

security NEAR/7 defense

Reset All

SEARCH

### LEARN MORE ABOUT

- » Data Fields »
- » Search Examples »
- » Search Operators »
- » Search Guidelines »

### Security AND defense

MetaData only

4,087 papers

MetaData and Full text

**38,065 papers**

Security NEAR/7 defense

MetaData only

1,095 papers

MetaData and Full text

**8,403 papers**

There is a maximum of 15 search terms.

# IEEE Personal Account Registration

Cart(1) | [Create Account](#) |  [Sign In](#)



To take advantage of personalization features, such as search preferences and saved search alerts, users need to create an IEEE account by selecting the “Create Account” link on the top of any IEEE web page.

# IEEE Personal Account Registration

**Register for an IEEE Account** ?

\*Required fields

---

**Provide your personal information**

\*Given/First name:

\*Last/Family/Surname:

**Enter e-mail address & password**

The e-mail address provided here will be the username of your account

\*E-mail address:

\*Re-enter e-mail address:

\*Password:

\*Confirm Password:

What is a valid password?  
Password Strength

---

**Set security questions** ?

For your security, IEEE Accounts are required to have two security questions and answers.

\*Security question 1:  
Select

\*Type Your Answer:

\*Security question 2:  
Select

\*Type Your Answer:

**CREATE ACCOUNT** » Cancel

The IEEE account registration process is an easy 3-click process – just fill out your First Name, Last Name, email address, password and two security questions.

# Username = Email Address

IEEE is updating its member and non-member user accounts for greater convenience and security. Going forward, the username for all IEEE Accounts will now be an e-mail address.

\* Required fields

## Add or Confirm E-mail Address (Your New Username)

Choose an existing e-mail address or add a new one.

Select an e-mail address on file:

Add another e-mail address ▼

\* E-mail address:

demotest3@ieee.org

\* Confirm e-mail address:

demotest3@ieee.org

## Add or Confirm Password

Enter your current password or create a new one.

\* Password:

••••••••••

\* Confirm Password:

••••••••••

What is a valid password?

★ Great password!

## Set security questions

\* Security question 1:

What are the last 4 digits of your Social Security Nu ▼

\* Type your answer:

1234

\* Security question 2:

What city were you born in? ▼

\* Type Your Answer:


piscataway


NOTE: From now on, please use the e-mail address you provided as the user name for your IEEE Account.

UPDATE

» Cancel

# Set preferences with a Personal Account



**BROWSE**  **MY SETTINGS**

Enter Search Term

**Basic Search** **Author Search** **Public Search**

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## Proceedings OF THE IEEE

### Software-Defined Networking

Radar Spectrum Engineering and Management  
Spin-Based Computing  
Point of View: Automating Analytical Homework  
Scanning Our Past: The First Man-Made Memristor: Circa 1801

**Search Options**

Search History Recording:

☒ On  
☐ Off

Publisher:

☒ All Content  
☐ IEEE Content  
☐ IET Content  
☐ AIP Content  
☐ AVS Content  
☐ IBM Content  
☐ VDE Content  
☐ TUP Content  
☐ BIAI Content

Search:

☒ Metadata Only  
☐ Full Text & Metadata

**Display Options for Search Results**

Results Layout:

☐ Title Only  
☒ Title & Citation (Default)  
☐ Title, Citation & Abstract

Results per Page:

50

Sort By:

Relevance

**Download Options**

Bibliographic Citation Format Include:

☒ Citation Only  
☐ Citation & Abstract

Format:

☒ Plain Text  
☐ BibTeX  
☐ RefWorks  
☐ EndNote, ProCite, RefMan

**Email Setting Options**

Email Address:

saws824@yahoo.com

*This will only be used for receiving e-mail alerts from IEEE Xplore. Changing this will not affect the e-mail address associated with your IEEE Account.*

Email Format:

☒ Plain Text  
☐ HTML

**Update** **Cancel**

*Please Note: These preferences will only be applied when signed into IEEE Xplore with your personal username*

# Save documents to Project Folders

- “My Projects”
- Allows users to create personal project folders within IEEE Xplore
- Organize documents by project or topic.
- Save documents to an unlimited number of folders
- Personalize with project descriptions
- Add notes and tags to individual articles as you save them to projects.
- Sign in with your personal IEEE Account to access this feature.



# Add to My Project (with IEEE Personal Account)

☐ **The design framework**

Tao Zhang ;  
Congcong Sh  
Power Syste  
Internationa  
Digital Objec  
10.1109/POV  
Publication Y  
Cited by 2  
IEEE CONFE



Save to Project

+Add New Project

Document Title

The design of information security protection framework to support Smart Grid

Project\*

- Select Project -

Document Notes

Document Tags

Separate tags with a comma

Save

Cancel

## My Projects (14 Projects )

[Add New Project](#)Sort by: 

### Bosch

1 Documents · Created Jun. 5, 2013 9:36 AM EDT · Updated Jun. 5, 2013 9:37 AM EDT

[Edit](#) | [Delete](#)

Description: Competitive intelligence

### Joe Nurre

3 Documents · Created May. 15, 2013 1:09 PM EDT · Updated May. 15, 2013 1:18 PM EDT

[Edit](#) | [Delete](#)

Description: IEEE Author

### HTML

3 Documents · Created Oct. 12, 2012 8:50 AM EDT · Updated May. 8, 2013 10:23 AM EDT

[Edit](#) | [Delete](#)

Description: multimedia NO cites

### Standards

4 Documents · Created Mar. 26, 2013 9:20 AM EDT · Updated Mar. 26, 2013 10:45 AM EDT

[Edit](#) | [Delete](#)

Description: All versions pertinent to my project

### kent

0 Documents · Created Mar. 11, 2013 11:51 AM EDT · Updated Mar. 11, 2013 11:51 AM EDT

[Edit](#) | [Delete](#)

Description: It is for a student

### Cyber\*

0 Documents · Created Feb. 16, 2013 9:18 AM EST · Updated Feb. 16, 2013 9:18 AM EST

[Edit](#) | [Delete](#)

Description: Anything starting out with the word stem: cyber (cybersecurity; cyber security; cyberwarfare; cyber warfare)

### NEC

0 Documents · Created Feb. 11, 2013 10:10 AM EST · Updated Feb. 11, 2013 10:10 AM EST

[Edit](#) | [Delete](#)

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### BROWSE BY TAGS

Sort by:

procter and gamble (3)  
smart grid (3)  
generators (2)  
html (2)  
power (2)  
iptv (1)  
mems (1)  
wye grounded (1)  
aberdeen (1)  
cloud computing (1)  
network (1)  
edinburgh test (1)  
tv (1)  
purple (1)  
rural (1)  
book (1)  
television (1)  
overvoltage (1)  
standard (1)  
sensor (1)  
software (1)  
susan (1)  
north carolina (1)

# Features to Save IEEE Content

- **Download citation – build a bibliography**
- **Export Results – multi field CSV download. Limit of 2000 records**
- **Save to Project (IEEE Personal Account) – tagging, notes, unlimited project folders**
- **Saving a search/Set Alert (IEEE Personal Account) – search is run every Friday. Limit of 15 searches**

# Quick self – paced tutorials

IEEE Xplore Tutorial: Saving Searches

and then confirm you would like to create an account by clicking create account again.

Access provided by:  
**IEEE SALES ENTERPRISE USER**  
» Sign Out

GET HELP ▾

WHAT CAN I ACCESS?

- About IEEE Xplore
- Feedback
- Technical Support
- Resources and Help
- Terms of Use

Advanced Search

## Video Tutorials

- ▶ [Saving Searches](#)
- ▶ [Personalization in IEEE Xplore](#)
- ▶ [Advanced Searching](#)
- ▶ [Browsing Education & Learning](#)

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# THANK YOU!

Eszter Lukács

IEEE Client Services Manager - Europe

[e.lukacs@ieee.org](mailto:e.lukacs@ieee.org)

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❖ +49 1705632738 Mobile

